

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/GB2004/004159

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H04Q3/68 H04L12/56

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 H04Q H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, IBM-TDB

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/021266 A1 (OKI EIJI ET AL) 30 January 2003 (2003-01-30) paragraphs '0014!, '0015! paragraphs '0048! - '0051! paragraphs '0069!, '0070! paragraphs '0127! - '0134! paragraphs '0170! - '0172! claim 1	1-52
A	US 2002/181483 A1 (OKI EIJI ET AL) 5 December 2002 (2002-12-05)  paragraphs '0020! - '0022! paragraphs '0033!, '0034!	1, 4, 5, 29, 39, 40, 42, 43, 46, 47, 52

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

## \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
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- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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- \*&\* document member of the same patent family

Date of the actual completion of the International search

20 January 2005

Date of mailing of the International search report

27/01/2005

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 367 520 A (CORDELL ROBERT R) 22 November 1994 (1994-11-22)  the whole document	1, 4, 5, 29, 39, 40, 42, 43, 46, 47, 52

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No  
PCT/GB2004/004159

Patent document cited in search report	Publication date	Patent family member(s)			Publication date
US 2003021266	A1 30-01-2003	US 2002061020	A1	23-05-2002	
		US 2002061028	A1	23-05-2002	
		US 2002181483	A1	05-12-2002	
		US 2002110135	A1	15-08-2002	
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		US 2002110135	A1	15-08-2002	
US 5367520	A 22-11-1994	NONE			